





































Pushbutton

Rocker

Toggle

<p>P1</p> <ul style="list-style-type: none"> • IP68S sealed • MIL-PRF 8805/3 • Momentary action • 10A @ 28VDC or 115VAC; low level • 7 case styles 	<p>P3</p> <ul style="list-style-type: none"> • IP68S sealed • Momentary or push pull action • 10A @ 28VDC or 115VAC; low level • 5 case styles 	<p>K1</p> <ul style="list-style-type: none"> • IP68S sealed • Momentary/ maintained action • Lighted/Unlighted • 16A @ 28VDC or 125/250VAC; low level 	<p>T1</p> <ul style="list-style-type: none"> • Momentary/maintained action • Lockout feature option • Up to 5A @ 28VDC • Sealed per MIL-DTL-83731 • QPL options • 2 & 3 position • 2, 3, 4, 6 & 8 pole 
<p>P3-D</p> <ul style="list-style-type: none"> • IP68S sealed • Domed button style • Momentary action • 5/8" threaded case • 10A @ 28VDC or 115VAC; low level 	<p>P5-D</p> <ul style="list-style-type: none"> • Domed button • Alternate action • IP68S sealed • 5/8" threaded case • 10A @ 28VDC or 115VAC; low level 	<p>K2</p> <ul style="list-style-type: none"> • IP68S sealed • Momentary/ maintained action • 1 or 2 pole • Lighted/Unlighted • 16A @ 28VDC or 125/250VAC; low level 	
<p>P7-D</p> <ul style="list-style-type: none"> • IP68S sealed • Subminiature • Momentary action • 5A @ 28VDC or 115VAC; low level • 15/32" threaded case 	<p>P9</p> <ul style="list-style-type: none"> • Momentary action • 15/32" threaded or snap in case • IP68S sealed • 5A @ 28VDC or 115VAC; low level • Lower cost plastic housing • Low level option (P9L) 		<p>T3</p> <ul style="list-style-type: none"> • Momentary/maintained action • Lockout feature option • Miniature toggle • Sealed options • 5A @ 28VDC or 115VAC • QPL options • 1 or 2 pole 
<p>P4</p> <ul style="list-style-type: none"> • 1 to 4 poles • 8 case styles • RF shielded options • IP68S sealed options • 2 step & momentary action • 8 circuit forms 	<p>P5</p> <ul style="list-style-type: none"> • IP68S sealed, dusttight or unsealed • Mil grade available • Alternate action • 10A @ 28VDC or 115VAC; low level • Threaded or press fit case 		<p>T7</p> <ul style="list-style-type: none"> • Momentary/ maintained action • IP68S sealed • Lower cost toggle • 1 or 2 pole • 16A @ 28VDC or 115VAC; low level 
<p>P7</p> <ul style="list-style-type: none"> • IP68S sealed • Subminiature • 5A @ 28VDC or low level • Momentary action • MIL-PRF-8805/110 option 	<p>LP3-V / LP5-V</p> <ul style="list-style-type: none"> • Vandal resistant • IP68S sealed • Momentary/ alternate action • 5A @ 28VDC or 115VAC; low level • Illum. 2 to 24VDC LED 	<p>K3</p> <ul style="list-style-type: none"> • IP68S sealed • Momentary/ maintained action • 20A @ 28VDC or 125VAC; low level • Lighted/Unlighted • SAE printed legends 	<p>T9</p> <ul style="list-style-type: none"> • IP68S sealed • 1 or 2 pole • MIL-PRF-3950 option • Momentary/ maintained action • Up to 16A @ 28VDC or 115VAC; low level 
<p>P5-V</p> <ul style="list-style-type: none"> • Vandal resistant • IP68S sealed • Alternate action • 10A @ 28VDC or 115VAC; low level • Threaded 5/8" or 3/4" case • Alum. or stain. steel housing 	<p>P8-V</p> <ul style="list-style-type: none"> • Vandal resistant • IP68S sealed • Momentary action • 10A @ 28VDC or 115VAC; low level • Threaded 5/8" or 3/4" case • Alum. or stain. steel housing 	<p>K4</p> <ul style="list-style-type: none"> • IP68S sealed • Mom/Main/Ctr. off • Snap-in toggle • 1 or 2 pole • Lighted/Unlighted • 16A @ 28VDC or 125/250VAC; low level 	<p>TE</p> <ul style="list-style-type: none"> • MIL-DTL-8834 • 1 or 2 pole • Threaded bushing • Momentary/ maintained action • 5A @ 28VDC or 115VAC 
<p>PE</p> <ul style="list-style-type: none"> • Sealing options • QPL options • Compact design • Meets high shock & vibration requirements • Up to 5A @ 28VDC or 115VAC 	<p>PE2</p> <ul style="list-style-type: none"> • MIL-PRF-8805/99 qual. • Meets high shock and vibration requirements • Momentary 2 circuit, DPDT • 2A @ 28VDC or 115VAC • Splashproof 	<p>K5</p> <ul style="list-style-type: none"> • IP68S sealed • Soft touch rocker • Momentary/ maintained action • Lighted/Unlighted • SAE printed legends • 20A @ 28VDC or 115VAC; low level 	<p>Accessories</p> <p>Shrouds</p> <ul style="list-style-type: none"> • Machined aluminum alloy • Variety of colors • Custom designs & fabrication available 
<p>P8</p> <ul style="list-style-type: none"> • IP68S sealed • Momentary or push pull action • 10A @ 28VDC or 115VAC; low level • 7 bezel styles 	<p>LP3 / LP5</p> <ul style="list-style-type: none"> • Momentary or alternate action • IP68S sealed, dusttight or unsealed • Illum. 2 to 24VDC LED • 5A @ 28VDC or 115VAC; low level 	<p>R2</p> <ul style="list-style-type: none"> • IP68S sealed • Rotary knob • Lighted/Unlighted • Momentary/ maintained action • 20A @ 28VDC or 115VAC; low level 	<p>Toggle Guard</p> <ul style="list-style-type: none"> • QPL MS25224 MS27752 • For 2 & 3 pos toggle with 15/32" bushing • Spring loaded cover • Slotted or flat keyway 
<p>LP9</p> <ul style="list-style-type: none"> • Momentary action • IP68S sealed • Miniature • Illum. 2 to 12VDC LED • 5A @ 28VDC or 115VAC • Lower cost plastic housing • Low level option (LP9L) 	<p>LP7-D</p> <ul style="list-style-type: none"> • Momentary action • IP68S sealed • Flush or raised button • Illum. 2 to 12VDC LED • 5A @ 28VDC or low level 	<p>U2</p> <ul style="list-style-type: none"> • Moistureproof & dusttight • Optional IP68S watertight seal • Momentary action • 10A @ 28VDC or 115VAC; low level 	<p>Flip Guard</p> <ul style="list-style-type: none"> • For pushbutton switches with 15/32" bushing • Spring loaded cover • Easy front panel installation • Optional D flat or mounting tabs 

ISO 9001, ISO 14001 and RoHS compliant

Images are not to scale. Specifications are subject to change.



Hall	Trim	Basic	Special Purpose
HPL <ul style="list-style-type: none"> Proportional output pushbutton IP68S watertight or IP65 splashproof 10,000,000 cycles 9 Button color choices Rocker version available Termination style choices 	T1 Mini Trim <ul style="list-style-type: none"> IP68S watertight or IP64 dusttight QPL options Threaded or press fit case 2 way momentary action 1A @ 28VDC or low level Center pushbutton option 	B1/B1-5 <ul style="list-style-type: none"> Ultra small subminiature Unsealed QPL options 2A @ 28VDC or 115VAC; low level Integral levers on B1-5 	P6 <ul style="list-style-type: none"> Sealed limit switch Compact design Four actuator styles MIL-PRF-8805 sealing Up to 10A @28VDC or 115VAC; low level Precision operating points Multiple MIL ratings 
HPW <ul style="list-style-type: none"> Proportional output paddle or lever EMI/RFI immunity 1,000,000 cycles Self centering single axis actuator 8 output options IP68S sealed 	T4/T4-T Mini Trim <ul style="list-style-type: none"> Positive click action IP68S watertight or IP64 dusttight QPL options 4 way momentary action 1A @ 28VDC or low level Threaded or press fit case 	B2/B2-5 <ul style="list-style-type: none"> Subminiature Unsealed 7A @ 28VDC or low level Integral levers MIL-PRF-8805/4 & 106 & 109 	P3-30101-8 <ul style="list-style-type: none"> Large diameter pushbutton snaps on to special style body with leads Dusttight IP64 1,000,000 cycles 10A @ 28VDC 
HP7 <ul style="list-style-type: none"> Momentary action pushbutton (ON/OFF) Watertight IP68S or dusttight IP64 Domed button choices 10,000,000 cycles Mechanical detent option Termination style choices 		B3 <ul style="list-style-type: none"> Subminiature Unsealed QPL options Up to 8A @ 28VDC or 115VAC; low level Integral lever option MIL-PRF-8805/76 & 101 	P1-30052 <ul style="list-style-type: none"> Push/Pull Switch Mil grade 10A @ 28VDC Dusttight MIL-S-8805, Design 2 
HTL Series <ul style="list-style-type: none"> Proportional output finger joystick IP68S sealed 2 & 4 way actuation EMI/RFI immunity 1,000,000 cycles Redundant outputs option 	T5 Mini Trim <ul style="list-style-type: none"> 2-way or 4-way momentary action plus pushbutton Mil grade options IP68S watertight or IP64 dusttight 1A @ 28VDC or low level Threaded or press fit case Lenient option 	B5 <ul style="list-style-type: none"> Subminiature Unsealed QPL options 10A @ 28VDC or 115VAC; low level Terminal choices 	U2-351 <ul style="list-style-type: none"> Flight grip rocker switch Shallow mounting depth Spring return to center Uses OTTO B3 basic switches per MIL-PRF-8805/101 Low level or standard 
HTW <ul style="list-style-type: none"> Proportional output thumbwheel IP68S sealed 8 output options 3,000,000 cycles EMI/RFI immunity Detent option available Miniature style option (HTWM) 	T8 Mini Trim <ul style="list-style-type: none"> 8 way momentary action 1A @ 28VDC or low level Threaded or press fit case Mil grade options IP68S watertight or IP64 dusttight 	B5-7 <ul style="list-style-type: none"> 2 pole Unsealed Subminiature 10A @ 28VDC or low level Mil grade options 	U2-016 <ul style="list-style-type: none"> Two-Step trigger switch Unsealed per MIL-PRF-8805, Design 1 7A @ 28VDC 2 pole 
HTWF <ul style="list-style-type: none"> Proportional output thumbwheel IP68S sealed EMI/RFI immunity 8 output options Friction hold actuation Rocker switch mounting 	T2 Large Trim <ul style="list-style-type: none"> Up to 5A @ 28VDC or low level Mil grade options Lockout feature 1 & 2 pole 2 way plus pushbutton Splashproof & dusttight Threaded or press fit case 	U2-096 Pendant <ul style="list-style-type: none"> Remote handheld pushbutton Coiled cord extends to 20' Terminated w/ a connector 5A @ 28VDC 	J2 Transducer <ul style="list-style-type: none"> Dusttight Mil grade Short travel .750"/.655"/.560" diameter flange mount Full/half bridge & isolated circuit type 
HTWE <ul style="list-style-type: none"> Proportional output thumbwheel Return to end single axis actuator EMI/RFI immunity 1,000,000 cycles 8 output options IP68S sealed Miniature style option (HTWME) 	T4/T5 Large Trim <ul style="list-style-type: none"> Mil grade options Up to 5A @ 30VDC Dusttight MIL-PRF-8805 4 way toggle w/ or w/out center pushbutton 	U7 <ul style="list-style-type: none"> Watertight IP68S or moistureproof & dusttight per IP64 High performance Single & dual switch configurations Low level Color and plug choices 	
HFNR <ul style="list-style-type: none"> Forward/Neutral/Reverse rocker Backlight 2-24VDC LED EMI/RFI Immunity 3,000,000 cycles IP68S sealed Snap in panel mounting 8 output options 	Split Trim <ul style="list-style-type: none"> Low level Tactile response Mil grade options 2 way momentary action Water resistant per MIL-STD 810F 	U2-034 <ul style="list-style-type: none"> Option to terminate w/ a 1/4" right angle molded phone plug Remote handheld pushbutton 24" coiled cord, extends to 15' 5A @ 28VDC 	